

No. 736,196.

PATENTED AUG. 11, 1903.

W. H. BEIDLER.
CORN FODDER SHREDDER.
APPLICATION FILED JAN. 24, 1902.

NO MODEL

2 SHEETS—SHEET 1.

Fig. 1.

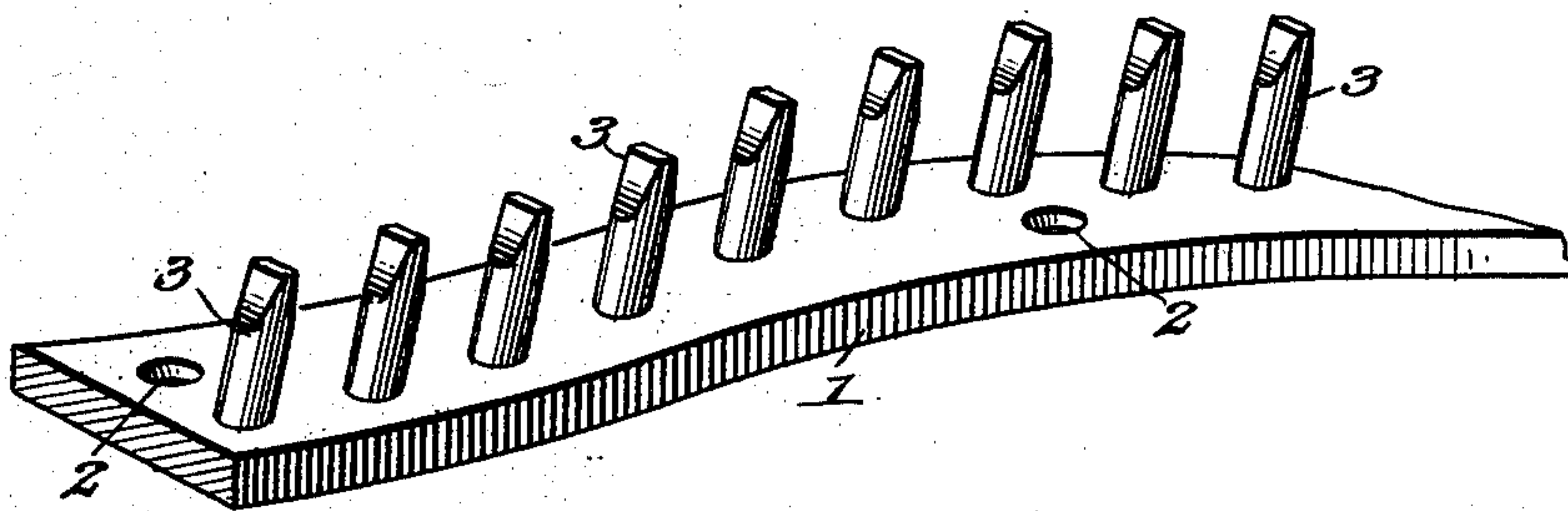


Fig. 2.

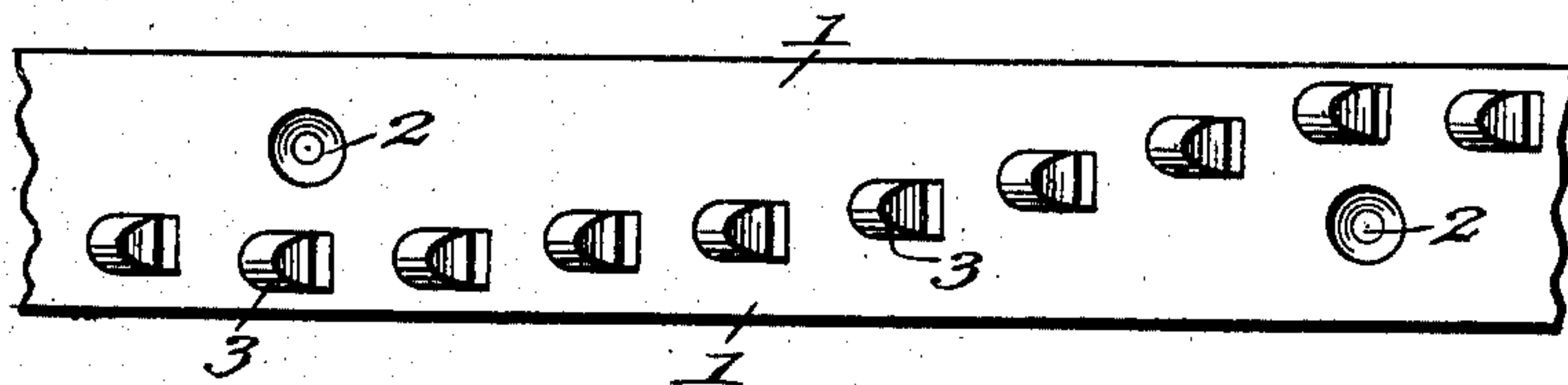
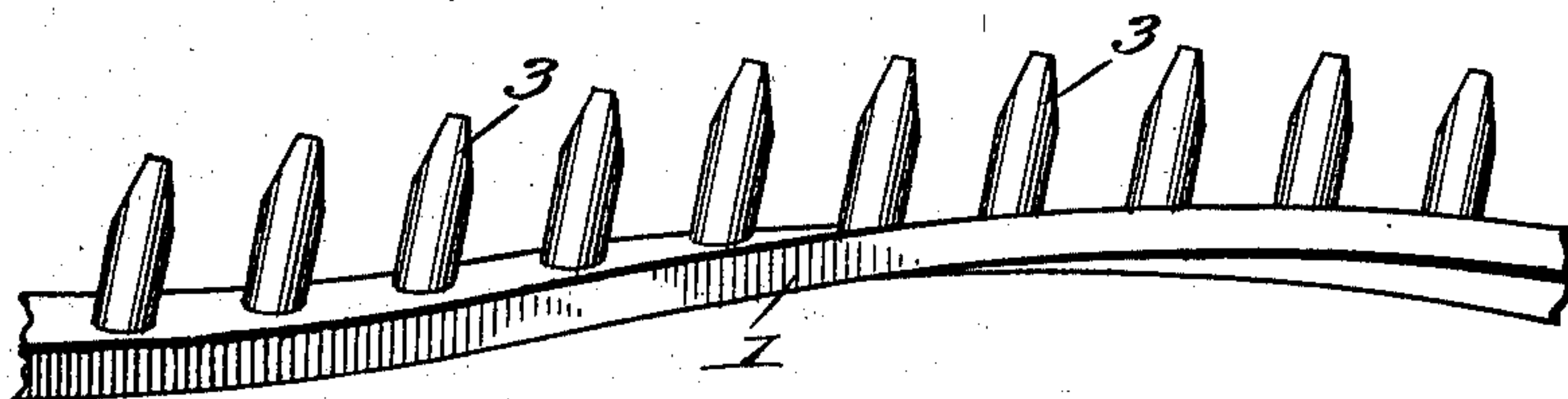


Fig. 3.



Witnesses

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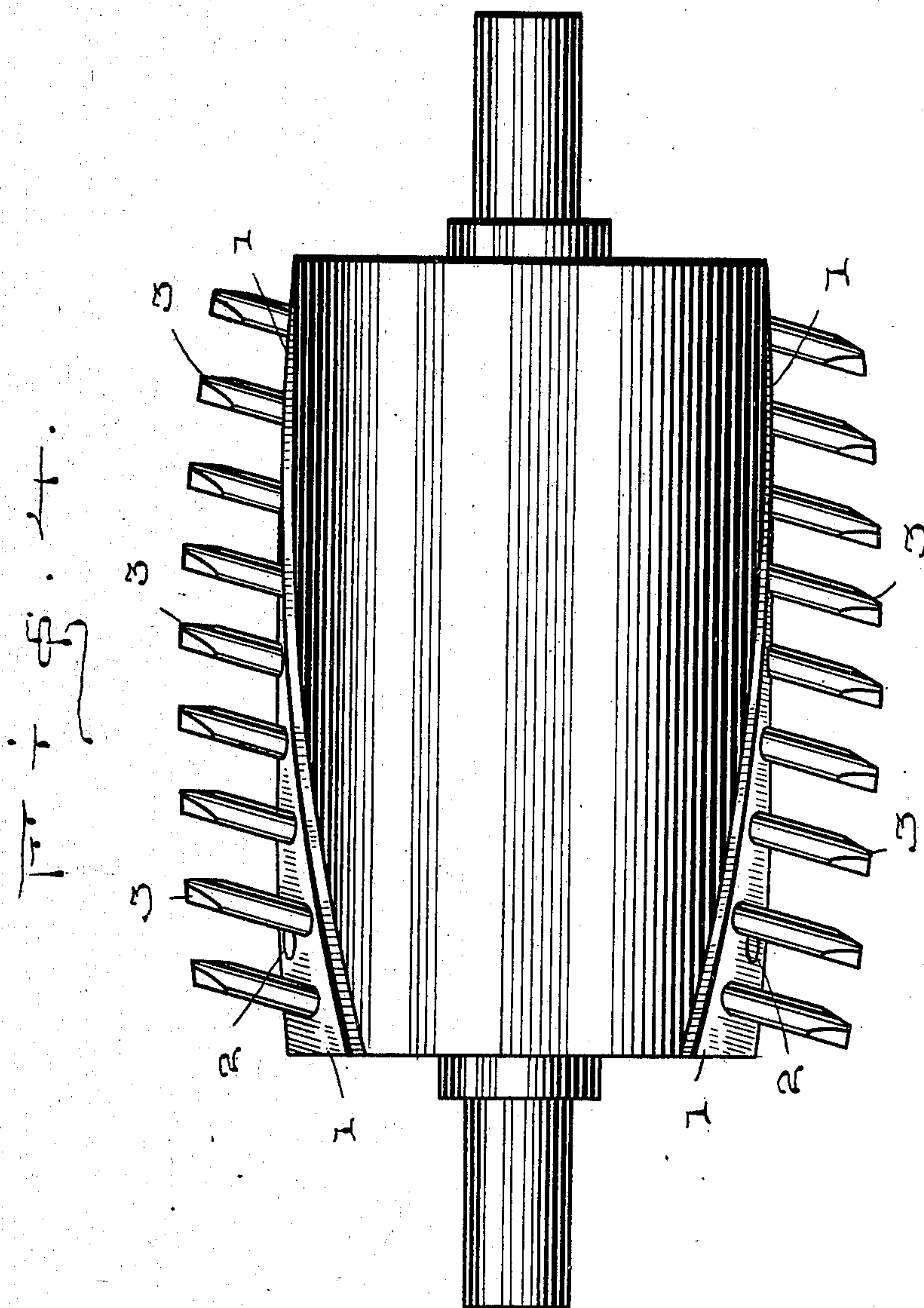
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2 SHEETS—SHEET 2.



Witnesses

J. W. Riley
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UNITED STATES PATENT OFFICE.

WILLIAM H. BEIDLER, OF COOPERSBURG, PENNSYLVANIA.

CORN-FODDER SHREDDER.

SPECIFICATION forming part of Letters Patent No. 736,196, dated August 11, 1903.

Application filed January 24, 1902. Serial No. 91,087. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BEIDLER, a citizen of the United States, residing at Coopersburg, in the county of Lehigh and State of Pennsylvania, have invented new and useful Improvements in Corn-Fodder Shredders, of which the following is a specification.

My invention relates to fodder-shredders; and the primary object thereof is to provide macerating-teeth of a new and improved character and also new and improved means for carrying the macerating-teeth whereby they may be readily attached to and detached from a cylinder.

A further object of the invention is to provide a tooth-carrying means of such construction that a hay or straw cutter may be readily converted into a fodder-shredder by simply removing the cutting-blades and substituting therefor devices of my improved character.

The invention consists in the construction, combination, and arrangement of parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a perspective view of a device constructed in accordance with my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a side elevation thereof. Fig. 4 is an elevation of a cylinder equipped with devices of my improved construction.

1 designates a strip of metal providing a plate bent downwardly in reverse directions from the transverse center thereof to give to the plate a diagonal depression with relation to the sides thereof or on a line extending from opposite corners of the plate whereby the plate may conform to the periphery of a cylinder when in applied position. The configuration of the plate is such that the plate must be applied to the cylinder at an angle with relation to the longitudinal center thereof to permit of all portions of the plate lying upon the periphery of the cylinder. The plate is provided with perforations 2 on opposite sides of the teeth, through which is adapted to extend to engage a cylinder suitable fastening means to secure the plate in applied position.

3 designates a plurality of macerating-teeth carried by the plate 1 and arranged upon the

longitudinal center thereof, whereby the teeth are arranged on the cylinder in spiral formation. The teeth are disposed upon the plate at acute angles or diagonally with relation thereto and have their upper portions beveled on opposite sides and their terminal ends made blunt, so that the fodder will be shredded rather than chopped or cut. A cylinder is preferably provided with two of these plates, carrying teeth of the construction and in the manner hereinbefore pointed out and owing to the peculiar character of the device a cylinder provided with these devices will effectually accomplish the desired results.

A plate of the character above described provides for the ready attachment and removal of the macerating-teeth, whereby a roller of any description may be provided with macerating-teeth, and it further provides for the ready and efficient conversion of a hay or straw cutter into a fodder-shredder, which conversion may be accomplished by removing the cutting-blades and substituting therefor devices of my improved construction.

It is obvious from the above description, taken in connection with the accompanying drawings, that I provide a device which will accomplish the desired results and also one that is cheap, durable, and efficient.

Having described my invention, what I claim is—

In a corn-fodder shredder, a threshing-cylinder having a detachable plate thereon provided with teeth, said plate conforming to the periphery of said cylinder and extending diagonally thereon from end to end of said cylinder, and said teeth extending diagonally on said plate and having blunt edges, and said plate also having openings therein on opposite sides of said teeth for the insertion of means whereby said plate is fastened to said cylinder, said parts being combined, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. BEIDLER.

Witnesses:

J. D. KNEW,
M. A. CLEWELL.